

# Comparisons of Job Characteristics

**Focus Occupation: Fire Inspectors and Investigators (33-2021)**

**Associated Occupation: Forensic Science Technicians (19-4092)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

**Focus Occupation: Fire Inspectors and Investigators (33-2021)**

**Associated Occupation: Forensic Science Technicians (19-4092)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Chemistry	4.8	13.1	12.2	0	Current knowledge level may be sufficient
Clerical	7.3	12.9	12.5	0	Current knowledge level may be sufficient
Law and Government	5.9	12.9	16.4	>>	Current knowledge level is likely more than sufficient
Public Safety and Security	6.9	12.0	19.2	>>	Current knowledge level is likely more than sufficient
Biology	3.7	9.3	4.5	<<	Extensive education and/or training may be required
Medicine and Dentistry	3.7	6.0	5.3	<	Expanded education and/or training may be required
Geography	3.9	5.7	6.2	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 92

**Focus Occupation: Fire Inspectors and Investigators (33-2021)**

**Associated Occupation: Forensic Science Technicians (19-4092)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Critical Thinking	10.8	14.1	13.0	0	Current skill level may be sufficient
Speaking	10.8	13.6	12.8	0	Current skill level may be sufficient
Writing	9.2	13.5	11.3	<	A higher skill level may be required
Complex Problem Solving	9.1	12.6	10.3	<	A higher skill level may be required
Active Learning	8.7	11.2	10.3	0	Current skill level may be sufficient
Instructing	7.8	10.6	8.6	<	A higher skill level may be required

Science	4.5	9.8	8.9	<	A higher skill level may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 95			
Focus Occupation: Fire Inspectors and Investigators (33-2021) Associated Occupation: Forensic Science Technicians (19-4092)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Flexibility of Closure	7.8	16.0	13.5	<	Some improvement in abilities may be required
Deductive Reasoning	10.6	15.1	13.7	<	Some improvement in abilities may be required
Near Vision	11.1	15.1	12.8	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	14.4	14.9	0	Current ability level may be sufficient
Inductive Reasoning	10.2	14.3	14.5	0	Current ability level may be sufficient
Information Ordering	9.9	12.9	11.5	<	Some improvement in abilities may be required
Far Vision	7.8	12.5	11.5	0	Current ability level may be sufficient
Category Flexibility	9.0	12.0	11.4	0	Current ability level may be sufficient
Speed of Closure	5.9	11.2	9.3	<	Some improvement in abilities may be required
Perceptual Speed	7.4	11.1	11.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 78
Focus Occupation: Fire Inspectors and Investigators (33-2021) Associated Occupation: Forensic Science Technicians (19-4092)		
Work Activities	Exclusivity of Activity	
Analyze existing evidence or facts	69	
Communicate technical information	4	
Compile evidence for court actions	78	
Cooperate with court personnel or other law enforcement agencies	81	
Gather physical evidence	76	
Maintain records, reports, or files	5	
Make decisions	24	
Operate cameras	74	
Prepare reports	8	
Test materials or solutions	73	

Testify in court for accident and criminal cases	78
Use interviewing procedures	23
Use knowledge of investigation techniques	16
Use knowledge of materials testing procedures	70
Use oral or written communication techniques	1

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Fire Inspectors and Investigators (33-2021)**  
**Associated Occupation: Forensic Science Technicians (19-4092)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.